

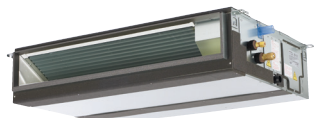
## SUBMITTAL DATA: PEAD-A36AA4 & PUZ-HA36NHA4

36,000 BTU/H HORIZONTAL-DUCTED HYPER HEAT-PUMP SYSTEM

Job Name:

System Reference:

Date:



Indoor Unit: PEAD-A36AA4



Outdoor Unit: PUZ-HA36NHA4

INVERTER



### GENERAL FEATURES

- High heating capacity at low outside temperatures
- Exhibits 100% of rated heating capacity at 5° F; 90% of rated heating capacity at -4° F
- Built-in drain lift mechanism for condensate removal; lifts up to 33-7/16 inches
- Wide air flow pattern for better air distribution; independently adjustable vanes
- Auto wave airflow in heating mode—unit independently cycles through horizontal and vertical positions for a more even heat distribution
- Self-check function—integrated diagnostics
- Limited warranty: five years parts and seven years compressors

### ACCESSORIES

#### Outdoor Unit

- ☐ M-NET Adapter (PAC-SF80MA-E)
- ☐ Wind Baffle (One Piece)\* (WB-PA2)
- ☐ Air Outlet Guide (One Piece)\* (PAC-SG59SG)

\*PUY(Z) requires two outlet guides or wind baffles for installation.

#### Controller Options

- ☐ Wireless Wall-mounted Remote Controller Kit (MHK1)\*\*
- ☐ Portable Central Controller (MCCH1)\*\*
- ☐ Outdoor Air Sensor (MOS1)\*\*
- ☐ Wired Wall-mounted Controller (PAR-31MAA)\*\*
- ☐ Simple MA Remote Controller (PAC-YT53CRAU)\*\*

\*\*See Submittal for information on each option.

- ☐ M-NET Adapter (PAC-SF81MA)
- ☐ i-see Sensor Corner Panel (PAC-SA1ME-E)
- ☐ Hand-held Wireless Remote Controller (PAR-FL32MA; req. PAR-FA32MA-E)
- ☐ Wireless Signal Receiver Module (PAR-FA32MA-E)

# SPECIFICATIONS: PEAD-A36AA4 & PUZ-HA36NHA4

## Cooling

Rated Capacity\* ..... 34,000 Btu/h  
 Minimum Capacity ..... 18,000 Btu/h  
 SEER ..... 17.0 Btu/h/W  
 Total Input ..... 2,690 W

## Heating at 47°F

Rated Capacity\* ..... 38,000 Btu/h  
 Minimum Capacity ..... 18,000 Btu/h  
 HSPF (IV) ..... 10.0 Btu/h/W  
 Total Input ..... 3,230 W

## Heating at 17°F

Rated Capacity\* ..... 28,000 Btu/h  
 Rated Total Input ..... 3,590 W  
 Maximum Capacity\*\* ..... 38,000 Btu/h  
 Total Input ..... 5,300 W

## Heating at 5°F

Maximum Capacity\*\* ..... 38,000 Btu/h  
 Total Input ..... 5,860 W

## \* Rating Conditions per AHRI Standard

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
 Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB  
 Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
 Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB  
 Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
 Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB  
 Heating at 5° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
 Heating at 5° F | Outdoor: 5° F (-15° C) DB / 5° F (-15° C) WB

**\*\* Maximum Capacity is at full speed and performance for INVERTER-driven System.**

## ELECTRICAL REQUIREMENTS

Power Supply ..... 208 / 230V, 1-Phase, 60 Hz  
 Breaker Size ..... 30 A

## Voltage

Indoor - Outdoor S1-S2 ..... AC 208 / 230V  
 Indoor - Outdoor S2-S3 ..... DC ±24V  
 Indoor - Remote Controller ..... MKH1 DC 3V  
 PAR-21MAAU DC 12V  
 PAR-FL32MA DC 3V

## OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	90° F (32° C) DB 73° F (23° C) WB	115° F (46° C) DB
	Minimum	66° F (19° C) DB 59° F (15° C) WB	0° F** (-18° C) DB
Heating	Maximum	83° F (28° C) DB	70° F (21° C) DB 59° F (15° C) WB
	Minimum	63° F (17° C) DB	-13° F (-25° C) DB -13° F (-25° C) WB

Note: With optional wind baffle accessory installed. If not installed, the minimum temperature will be 23° F (-5° C) DB.

## INDOOR UNIT

Blower Motor (ECM) ..... 2.00 F.L.A.  
 Blower Motor Output ..... 120 W  
 Airflow (Lo - M1 - M2 - Hi) ..... 710 - 810 - 920 - 1,060 Dry CFM  
 670 - 770 - 880 - 1,030 Wet CFM  
 Sound Pressure Level (Lo - M1 - M2 - Hi) ... 32 - 34 - 37 - 40 dB(A)

DIMENSIONS	UNIT INCHES / MM	PANEL INCHES / MM
W	33-1/16 / 840	37-3/8 / 950
D	33-1/16 / 840	37-3/8 / 950
H	11-3/4 / 295	1-3/8 / 35

## Weight (Unit/Grille)

lbs. .... 55 / 13  
 kg. .... 25 / 6  
 External Finish ..... Munsell No. 6.4 8.9 / 0.4  
 Field Drainpipe Size O.D. .... 1-1/4" / 32 mm

## OUTDOOR UNIT

Compressor ..... DC Inverter-driven Scroll  
 MCA ..... 28 A  
 Fan Motor (ECM) ..... 0.4 + 0.4 F.L.A.  
 Sound Pressure Level  
 Cooling ..... 52 dB(A)  
 Heating ..... 53 dB(A)

DIMENSIONS	INCHES / MM
W	37-3/8 / 950
D	13 + 1-3/16 / 330 + 30
H	53-1/8 / 1,350

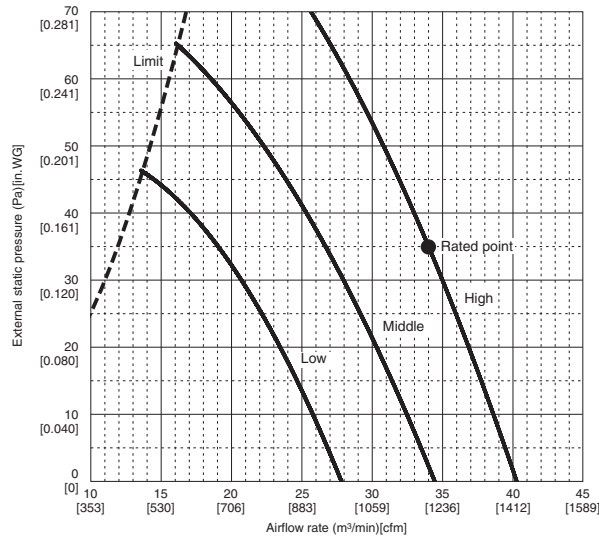
Weight ..... 265 lbs. / 120 kg  
 External Finish ..... Munsell No. 3Y 7.8 / 1.1  
 Refrigerant Type ..... R410A  
 Refrigerant Pipe Size O.D.  
 Gas Side ..... 5/8" / 15.88 mm  
 Liquid Side ..... 3/8" / 9.52 mm  
 Max. Refrigerant Pipe Length ..... 245' / 75 m  
 Max. Refrigerant Pipe Height Difference ..... 100' / 30 m  
 Connection Method ..... Flared

## Notes:

# INDOOR UNIT PEAD-A36AA4 FAN PERFORMANCE AND AIRFLOW RATES

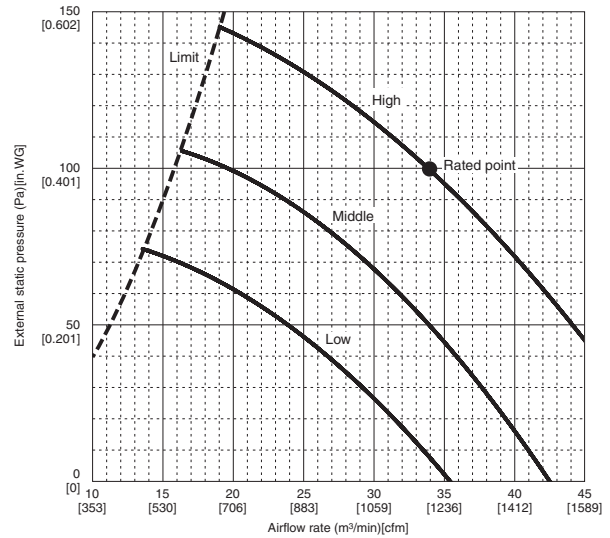
## PEAD-A36AA4

(External static pressure 35Pa [0.14 in. WG]) 208-230V 60Hz



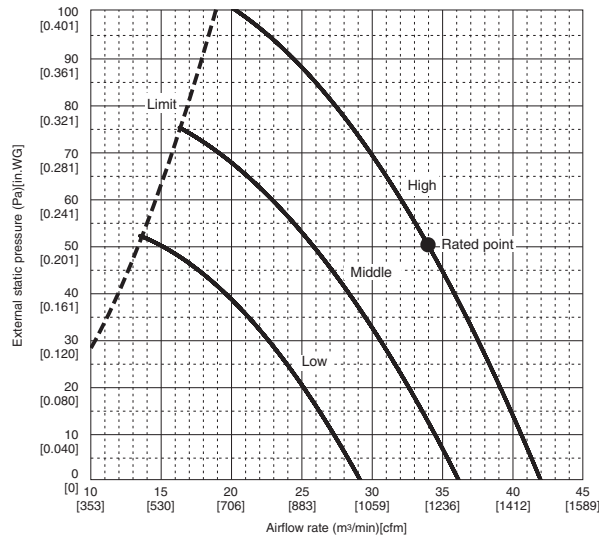
## PEAD-A36AA4

(External static pressure 100Pa [0.4 in. WG]) 208-230V 60Hz



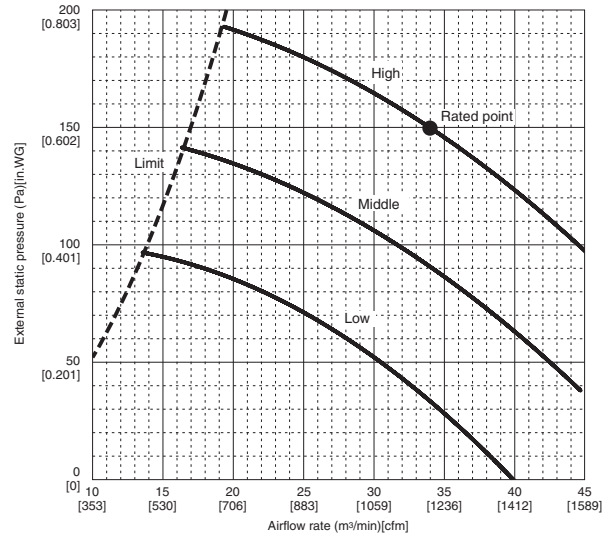
## PEAD-A36AA4

(External static pressure 50Pa [0.2 in. WG]) 208-230V 60Hz



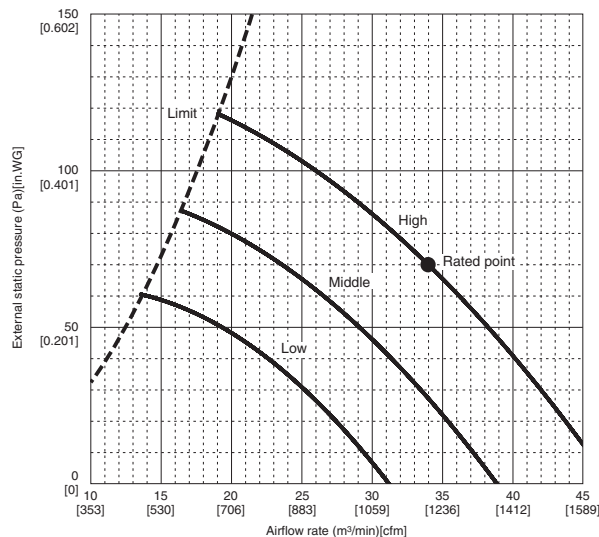
## PEAD-A36AA4

(External static pressure 150Pa [0.6 in. WG]) 208-230V 60Hz

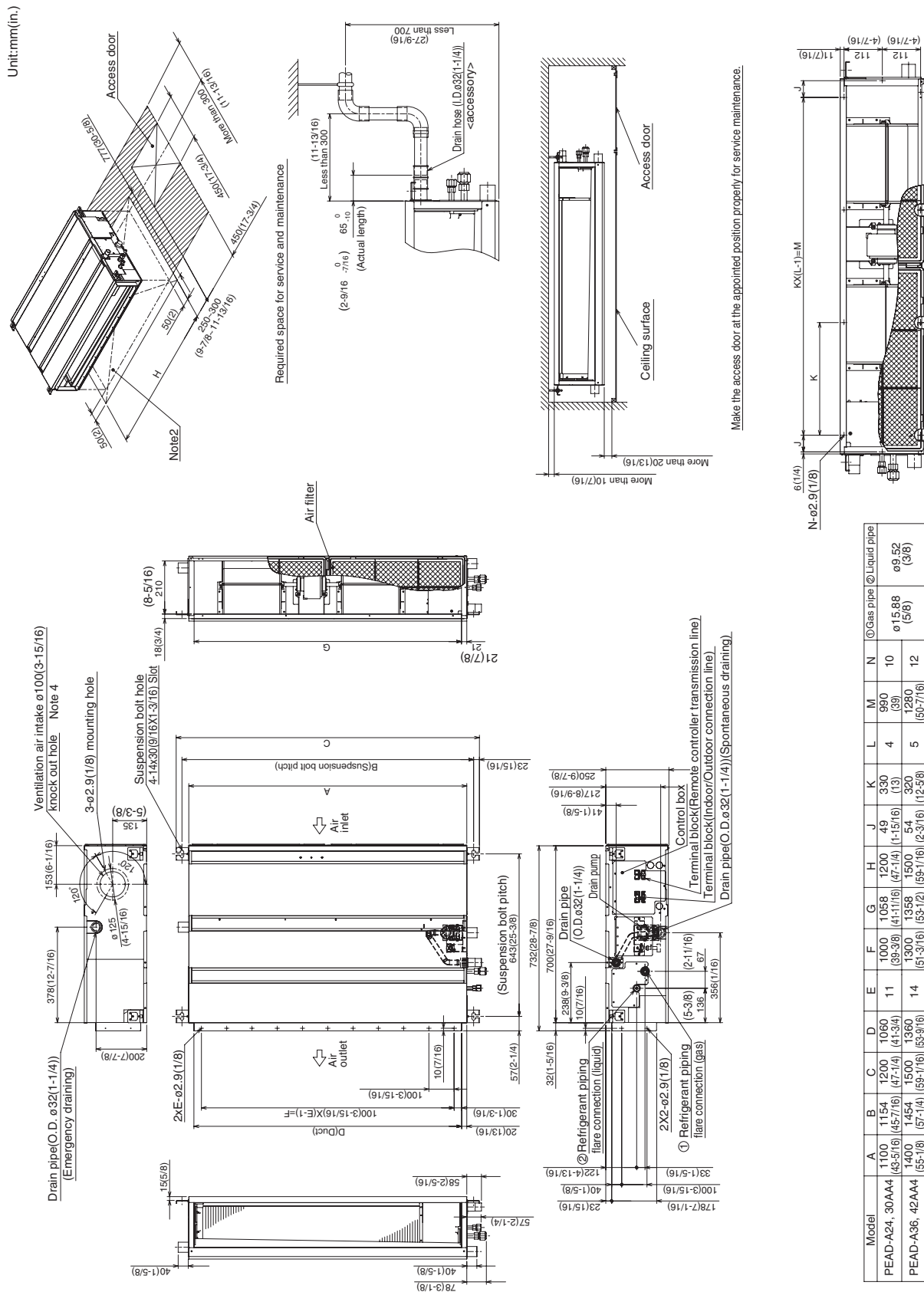


## PEAD-A36AA4

(External static pressure 70Pa [0.3 in. WG]) 208-230V 60Hz



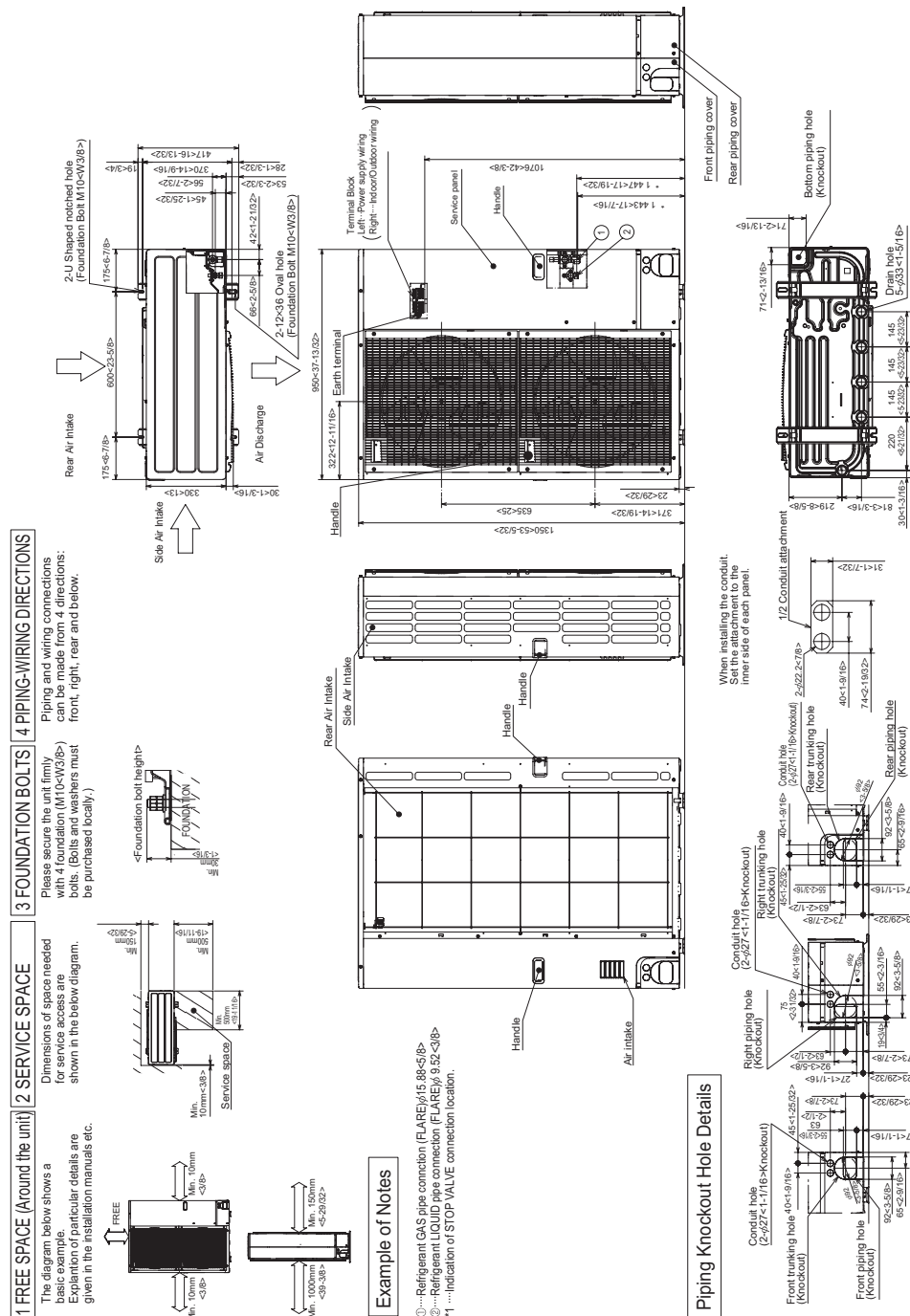
**DIMENSIONS: PEAD-A36AA4**



- NOTE 1. Use M10 screw for the Suspension bolt (field supply).
2. Keep the service space for the maintenance at the bottom.
  3. This chart indicates for PEAD-A24-30-36-42AA4 models, which have 2 fans.
  4. In case of the inlet duct is used, remove the air filter (supplied with the unit), then install a filter (field supplied) at suction side.

## DIMENSIONS: PUZ-HA36NHA4

Unit : mm&lt;inch&gt;



COOLING &amp; HEATING

1340 Satellite Boulevard  
Suwanee, GA 30024  
Toll Free: 800-433-4822  
[www.mehvac.com](http://www.mehvac.com)

FORM# PEAD-A36AA4 - PUZ-HA36NHA4 - 201409

Specifications are subject to change without notice.  
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